## **EAST Search History**

## EAST Search History (Prior Art)

Ref#	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S53	1	("7059363").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2011/11/07 11:09
S54	1	("5669408").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2011/11/07 11:11
<b>S</b> 55	155	(137/599.08).COLS.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2011/11/07 11:15
S56	200	(137/601.14).OOLS.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2011/11/07 12:05
S57	239	(137/870).OOLS.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2011/11/07 12:20
S58	1439	(137/487.5).OCLS.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2011/11/07 12:34
S59	447	(137/110).OOLS.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2011/11/07 13:55
S60	201	(137/118.06).COLS.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2011/11/07 14:12
S61	26	[(*1967383"   "2961828"   "3260325"   "3507298"   "3561214"   "3583157"   "3740950"   "3846982"   "4250909"   "5211015"   "592148"   "6244048"   "6295811"   "6698197").PN. OR (*6837047").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/11/07 14:19
S62	66	("20020046612"   "20020076490"   "20020076490"   "20020013984"   "20020114732"   "20020117202"   "20020117212"   "20020139418"   "20020198668"   "20030234048"   "20030236638"	US-PGPUB; USPAT; USOCR	OR	ON	2011/11/07 14:46

S67	197	(137/601.01).COLS.	US-PGPUB; USPAT; FPRS;	OR	OFF	2011/11/08 10:40
S66	154	(137/109).COLS.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2011/11/08 09:58
965	62	(137/115.21).OOLS.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2011/11/08 09:20
64	1001	(137/100,101,101.19).COLS.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2011/11/07 16:10
363	111	[("7775286").UPRN.  ("20020038669"   "5453124"   "2003003896"   "5453124"   "6090210"   "6138708"   "6237394"   "6333272"   "6631334"   "63752166"   "6826329"   "6986359"),PN. OR  ("7481240").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/11/07
		"20030236643"   "20040060326"   "20040050326"   "20040050326"   "200400112538"   "20040112538"   "20040112538"   "20040128021"   "20050128021"   "20050128051   "20050128051   "20050128060"   "4046158"   "20050128060"   "4046158"   "4590790"   "4687020"   "4590790"   "4687020"   "4590791"   "5524084"   "5511238"   "5524084"   "5519281"   "5524084"   "5584100"   "5584048"   "5584048"   "5584048"   "5684387"   "668492"   "63332726"   "6684982"   "63332726"   "6684982"   "6772781"   "6772781"   "6773749"   "6772781"   "6773749"   "68213477, PN. OR				

S68	1044	(137/597).CCLS.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2011/11/08 10:49
S69	500	S68 and pressure	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/08 10:50
S72	32	("3298383"   "3776023"   "3830256"   "3875499"   "3976450"   "4094187" "4114419"   "4164862" "4257439"   "4290296"   "4314344"   "4351614"   "4351743"   "4498496"   "4565086"   "5054309").PN. OR ("5157957").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/11/08 14:00
S73	8	("2041863"   "3779266").PN. OR ("4197868").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/11/08 14:32
S74	14	["1248603"   "20020145515"   "20040093173"   "20050199286"   "20060190840"   "2006021929"   "2006022929"   "20060220844"   "4521221"   "4848333"   "5730166"   "6090294"   "6739804"   "7478012").PN. OR (7905251").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/11/08 15:26
S75	29	("2527136"   "2788953"   "3032053"   "3068864"   "3298383"   "3515155"   "3524444"   "3530873").PN. OR ("3669134").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/11/08 15:53
S79	126	("3854443"   "4369031"   "4980204"   "4993358"   "5045496"   "5134965").PN. OR ("5453124").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/11/08 16:37
S81	1	("6810897").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2011/11/08 17:01
S82	93	("3025868"   "3036585"   "3056417"   "3219046"   "3272217"   "3318153"   "3351057"   "3395367"   "401807"   "4215409"   "4224615"   "4228815"   "4242676"), PN. OR ("4345612"), UJEPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/11/09 08:19

S84	3229	ohmi.in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/09 11:05
S85	309	S84 and (pressure same valve)	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/09 11:05
S86	39	("176758"   "186675"   "2288297"   "2314152"   "2268992"   "2661756"   "2780414"   "3092127"   "3438385"   "3556126"   "3762428"   "4369031"   "5165450"   "5307833"   "5453124"   "5927321"   "6333272"), PN. OR ("6418954"), URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2011/11/09 11:28
S87	491	((sugiyama near2 kazuhiko) or (ikeda near2 nobukazu) or (nishino near2 kouji) or (dohi near2 ryousuke) or (uenoyama near2 toyomi)).in.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/09 14:41
S88	238	S87 and (valve or (flow adj control\$4))	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2011/11/09 14:41
\$89	133	(US-20020038669-\$ or US-20050199342-\$ or US-20100149239-\$ or US-20100149239-\$ or US-20100149239-\$ or US-20090148089-\$ or US-20090148089-\$ or US-2005005994-\$ or US-2005005994-\$ or US-20080207508-\$ or US-2008020808-\$ or US-2008020808-\$ or US-200802508-\$ or US-20080208-\$ or US-2008027808-\$ or US-20050241698-\$ or US-20050241698-\$ or US-200502987-\$ or US-200502987-\$ or US-200502988-\$ or US-20050298-\$ or US-	US-PGPUB; USPAT; USOCR	OR	ON	2011/11/09

20040187928-\$ or US-20040094206-\$ or US-20080131323-\$ or US-20060124169-\$).did. or (US-20060068098-\$ or US-20050241763-\$ or US-20040163590-\$ or US-20030003696-\$ or US-20070235085-\$ or US-20040112442-\$ or US-20030005964-\$ or US-20050072466-\$ or US-20110268870-\$ or US-20020106830-\$).did. or (US-5307832-\$ or US-5135161-\$ or US-4883084-\$ or US-4625751-\$ or US-3478769-\$ or US-6662817-\$ or US-7424894-\$ or US-7360551-\$ or US-5951772-\$ or US-6418954-\$ or US-6333272-\$ or US-5453124-\$ or US-6473993-\$ or US-6190732-\$ or US-4980204-\$ or US-5694985-\$ or US-5390693-\$ or US-3879984-\$ or US-4938789-\$ or US-7798167-\$ or US-6422264-\$ or US-7594517-\$ or US-5937886-\$ or US-5509292-\$ or US-4816083-\$ or US-4565207-\$).did. or (US-4191215-\$ or US-7846497-\$ or US-7723236-\$ or US-6829056-\$ or US-7371332-\$ or US-6782907-\$ or US-5242664-\$ or US-4357953-\$ or US-6348098-\$ or US-7673645-\$ or US-5329965-\$ or US-4030523-\$ or US-6772781-\$ or US-6527862-\$ or US-6581623-\$ or US-6302139-\$ or US-6810897-\$ or US-6012478-\$ or US-5865205-\$ or US-7059363-\$ or US-5669408-\$ or US-8037896-\$ or US-7905251-\$ or US-6837047-\$ or US-2961829-\$ or US-7775236-\$ or US-6821347-\$). did. or (US-5589110-\$ or US-7481240-\$ or US-6090210-\$ or US-7353841-\$ or US-7137400-\$ or US-6216726-\$ or US-6119710-\$ or US-5979494-\$ or US-6095184-\$ or US-5564455-\$ or US-4232701-\$ or US-7748400-\$ or US-7562672-\$ or US-6918406-\$ or US-6857447-\$ or US-6527009-\$ or US-5884653-\$ or US-5727587-\$ or US-4241749-\$ or US-4324267-

	***************************************	\$ or US-4277254-\$ or US- 6895983-\$ or US-5777213-\$ or US-5661225-\$ or US-5157957-\$ \$ or US-5054309-\$ or US- 3776023-\$) oid. or (US- 4197868-\$ or US-3669134-\$ or US-5671767-\$ or US-369134-\$ or US-5671767-\$ or US-3581759-\$ or US-3272217-\$ or US-5313982-\$ \$ or US-6241987-\$ or US- 5261452-\$ or US-30292-\$ or US-4549563-\$ or US- 5261452-\$ or US-5538051-\$ \$ or US-5251726-\$ or US- \$ 3438385-\$ oid. or (US-				
S90	48	2961829-\$).did.  S89 and (compar\$4 same pressure)	US-PGPUB; USPAT; USOCR	OR	ON	2011/11/09 15:48
S91	32	S89 and (pneumatic\$4)	US-PGPUB; USPAT; USOCR	OR	ON	2011/11/09 16:16
S92	1	("20020170598").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2011/11/09 16:27
S93	1	("5669408").PN.	US-PGPUB; USPAT; FPRS; EPO; JPO	OR	OFF	2011/11/09 16:48

## 11/9/2011 5:57:30 PM

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